

ARTHUR S. FLEMMING AWARDS PROGRAM

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TO HONOR OUTSTANDING YOUNG MEN IN THE FEDERAL GOVERNMENT

NOMINATION FORM

Any male, civilian, officer or employee of the Executive Branch of the United States Government who will not reach his fortieth birthday before January 1, 1966, is eligible for nomination in the Arthur S. Flemming Awards Program. Similar employees of the Library of Congress, the General Accounting Office, Office of the Architect of the Capitol, the Government Printing Office, the Administrative Office of the U. S. Courts, and the Botanic Garden are also eligible. A nominee may be an officer or employee in the department or field service throughout the world. Awards will be made principally for outstanding and meritorious performance during the fiscal year which ended on June 30, 1965.

PLEASE TYPE

Full Name of Nominee Albert Dewell Wheelon

Present Home Address 4112 Sleepy Hollow Road, Annandale, Virginia

Date and Place of Birth January 18, 1929; Moline, Illinois Present Age 36

Wife's Name, Names and Ages of Children Nancy Helen (Hermanson) Wheelon

Elizabeth Anne, age 10; Cynthia Helen, age 5

Present Employment Location Central Intelligence Agency

Title of Present Position, Classification and Salary Deputy Director for Science and Technology

\$27,000 per annum, Senior Executive Pay Scale, Level IV

Award to be considered for: scientific ☒ administrative ☐

Education, Degrees, Etc.:

Leland Stanford University - B.Sc. Engineering Science, 1949

Massachusetts Institute of Technology - Ph.D. Theoretical Physics, 1952

Participation in Other Activities (Civic, Fraternal, Religious, Professional, Etc.): Dr. Wheelon is a member of the American Physical Society, the Institute of Radio Engineering, the American Geophysical Union, and the Cosmos Club in Washington, D. C.

Published Work: Over and above his classified contributions to the National Ballistic Missile and Intelligence Programs, Dr. Wheelon has published some thirty technical papers in learned scientific journals. (See attached.)

DIRECTIONS

Each of the following questions should be answered factually by using the amount of space desired within the allotted pages. Indicate where each answer begins by showing the corresponding number of the question. Single spaced, type-written answers are preferred with a double space between paragraphs. Where applicable, no more than two reprints that are directly associated with the accomplishment described below should be attached. Bulkier material may be cited by author(s), title, and publication medium. Also submit six copies of a recent photograph of the nominee.

QUESTIONS

1. Give a brief description of the nominee's present duties and responsibilities, including the scope of his work, and show a chronological review of prior federal employment, if any.
2. Describe a specific accomplishment, for which the nominee is primarily responsible, resulting in a material improvement in service, a substantial financial savings or significant social or technological progress.
3. Describe the outstanding executive, scientific or technical ability or outstanding performance generally evidenced by the nominee, even though such ability or performance is not necessarily connected with or related to a specific accomplishment or project.
4. List any publications, statements of authorities, or honors and awards received which evaluate his achievement or contribution.

PLEASE TYPE ANSWERS

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Dr. Wheelon is the Deputy Director for Science and Technology of the Central Intelligence Agency, and is the senior advisor to the Director of Central Intelligence on matters pertaining to intelligence implications of scientific and technological developments. In addition, his position involves the responsibility for directing and managing a quadrant of the CIA itself. These responsibilities encompass research and development, collection operations, data processing and the production of finished scientific intelligence. These collection and analysis activities are basic ingredients in the overall national security program of the United States. Dr. Wheelon holds one of the most significant scientific positions in the intelligence community and, as CIA's spokesman on scientific matters, is called upon to brief and support Government officials at the highest levels.

Dr. Wheelon joined the Government in June 1962 after a long and expanding participation in Government programs. As a senior member of the Technical Staff of the Ramo-Wooldridge Corporation and later its subsidiary Space Technology Laboratories, Inc., he worked at the center of the Air Force Ballistic Missile Program from its inception in November 1955. He made important personal contributions to the system design of Atlas and Titan missiles, and later played a central role in the preliminary design of Minuteman. At the age of 27, and on the basis of this experience, he was selected as a member of an intelligence team that first examined the results of a major breakthrough in heretofore denied intelligence on the Soviet missile programs for USIB. During the Fall of 1958, he went to the Surprise Attack Conference, Geneva, Switzerland, as a member of the United States Delegation. For some seven years he served as a consultant to the United States Air Force Scientific Advisory Board and the President's Scientific Advisory Council. In addition to these regular duties, he was a visiting professor at UCLA teaching Electromagnetic Theory for three years.

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During the year for which this award is given, it was of crucial importance to advance the reposturing of the Central Intelligence Agency organizationally to reflect the increasing importance of technological advancement--both in its collection and analysis programs. Although the Directorate of Science and Technology was established in the preceding fiscal year with Dr. Wheelon as its first head, it was during Fiscal Year 1965 that the mold took form and grew into a viable major unit of organization. Under his imaginative and dynamic leadership, two offices were created and staffed to fill urgent needs and integrated with four extant offices to provide a significantly increased capability for dealing with the many facets of a rapidly advancing technological world. He early recognized the need for a critical program evaluation of on-going programs with a view toward determining those to be terminated, those to be consolidated and those to be redirected in consonance with the requirements of the intelligence community and the demands of economy. The efforts of his diversified, complex group of offices were coordinated and focused on satisfying these requirements. There also existed the demand to reassess the threat factor of hostile governments and an urgency for the development of technological means to counter such threats. With great vigor and personal involvement, he turned his attention to the resolution of these problems. Dr. Wheelon's emphasis on the techniques of research and application of the latest state-of-the-art developments brought about the establishment of new standards for pursuing the goals facing the Directorate. Through the employment of system analysis and cost effectiveness studies, he ensured the attainment of maximum effectiveness in developing and utilizing collection and analytical resources. In short, Dr. Wheelon provided the creative thought, scientific force and executive leadership in creating and shaping the new Directorate of Science and Technology for CIA.

Dr. Wheelon joined CIA in June 1962 as head of an office concerned with the analysis of scientific intelligence. His unique, broadly gauged scientific and technical background, coupled with his demonstrated leadership capabilities, were recognized early by the Director of Central Intelligence, at that time, Mr. John A. McCone, who selected him in June 1963, at age 34, to become the Agency's first Deputy Director for Science and Technology. With forcefulness and imagination, he developed a unique organizational structure described above. First of all, Dr. Wheelon provided an unusually gifted scientific mind in a wide spectrum of scientific disciplines and, secondly, the aggressive leadership required to focus the Agency's attention on scientific matters. Dr. Wheelon personally contributed in the inspiration and development of highly classified, advanced collection systems vital to our national interests. The development and successful operational use of these systems has provided intelligence on foreign activities which could not have been obtained otherwise. Of great significance has been his ability to interest and attract to Government service, over fifty well-trained and technical people from universities, industry, and laboratories. By virtue of his position with the Agency, but more because of his technical brilliance, he exerts a wide and singular influence throughout the intelligence community.

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MAIL NOMINATIONS FORM TO:

Nominations Chairman
The Arthur S. Flemming Awards Program
Mezzanine
1729 H Street, N.W.
Washington, D. C. 20006

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Dr. Wheelon is a member of the American Physical Society, the Institute of Radio Engineering, and the American Geophysical Union. Over and above his classified contributions to the National Ballistic Missile and Intelligence Programs, he has published some thirty technical papers in learned scientific journals (see attached). He is a member of the Cosmos Club in Washington.

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Nominations must be submitted by and have the approval of the head of the department or agency concerned. His signature below attests to all facts contained on this Nomination Form and gives permission for the facts to be used for publication. The Chairman of the Arthur S. Flemming Awards Commission must be specifically notified of any such facts which may not be released to publicity media.

SIGNATURE (Please type name and title below)